



REALLY PINNED DOWN IS JUNE ELLIS, Benefit Plans, who shows off (to a fine advantage) the current awards in the Safety slogan contest. The life preservers are on the left, and June holds the lady's wrist watch. The new quarterly contest will last until June 30.

Safety Opens New Quarterly Slogan Contest For Y-12ers

Another slogan contest opens today for Y-12 employees. The fall season will be the theme of the quarterly competition opening today, April 1. Awards are listed as a woman's watch, two seat belts, and two life preservers. This contest will close June 30.

Differing from the old poster idea contest . . . entries need only be slogan-type suggestions. The art work for the poster idea will be formulated later in the Safety Department. Response in the two prior quarterly races has

been something spectacular. So get your entry in today . . . remember it carries a fall theme, if you can tear yourself away from spring long enough to give fall a thought!

New Badges Are Now In Racks At Portals

Y-12ers have until Sunday, April 12, to pick up their new yellow-bordered badges in the current quarterly exchange. The new identification pieces come down from the self-service racks at that date at 11 p.m.

Employees failing to exchange their old blue-bordered badges by that time will have to go to Badge and Pass, Building 9704-2. Blue bordered badges will not be recognized at the portals after that date.

Instrument Society Will Hear CDP's Rowe

J. E. Rowe, manager of Central Data Processing, Oak Ridge Gaseous Diffusion Plant, will speak to the Oak Ridge Section of the Instrument Society of America tonight, April 1, at the Ridge Recreation Hall. Rowe will speak on "Solution to Computer Bottle-necks."

The ISA meeting begins at 8 p.m. and is open to all interested parties.

COLD FACTS

The average adult American has about six colds a year. These cost business and industry approximately \$450,000,000 annually!

Recreation Calendar Appears On Page Three

A recreation calendar appears on page three of this issue of the Bulletin for the month of April. In an attempt to inform all employees on activities, it will be run near the first of every month. If your shift committee has something going, just give the Bulletin Office a call, extension 7100. Your picnic, party, or what-have-you will appear there also.

Physics Seminar Hears Cal Tech's Ne'eman

Yuval Ne'eman, California Institute of Technology, will lead this week's Physics Division Seminar at Oak Ridge National Laboratory. He will discuss "The Eight Fold Way and the Omega Minus."

The seminar will be held Friday, April 3, at 3:15 p.m., in the East Auditorium of ORNL's 4500 building.

AEC Releases History-Making Safety Statistics For '63 . . . Best Year Ever

The Oak Ridge Operations office of the United States Atomic Energy Commission has just released figures showing that 1963 was the best safety record in history for some 22,700 AEC employees and its contractors, in this area.

E. A. Wende, deputy manager of ORO, said this record contributed to a new low in on-the-job injuries among the 130,000 employees of the AEC as a whole. This is the best safety performance since the AEC was established in 1946.

"The major share of the credit for this outstanding record belongs, of course, to the thousands of employees of our operating and construction contractors and to their management officials," Wende pointed out.

Approximately 113,000 of the people employed by AEC and its contractors were engaged in work which offered the possibility of radiation exposure, with nearly 19,000 of these employed in the Oak Ridge complex of plants and laboratories in five states and Puerto Rico. Throughout the national organization there were no lost-time injuries because of exposure to radiation.

Nearly half of AEC's contractors had no lost-time injuries at all in 1963.

Gravity-Caused

Gravity was the principal single cause of fatalities and injuries connected with AEC operations during 1963. Of nine fatalities, four were caused by falls, two by moving vehicles, one by accidental electrocution, one by suffocation and one as a result of burns.

The number of lost-time accidents during calendar 1963 for each million man-hours of work by AEC government employees and AEC contractor employees was 1.49. For Oak Ridge Operations, this rate was 1.15. This rate compares with the National Safety Council's 1962 "all industry injury rate" of 6.19 and is second only to the communications in-

Y-12's performance on the safety scene last year was the best in its approximate 20 year history. The frequency rate for the plant for the year 1963 was .34 . . . or .34 accidents for every million man - hours worked. 1964's rate can be made even lower than last year's history-making one!

dustry rate of 0.98 among American industries. The atomic energy industry's injury severity rate — the number of days lost in relation to man-hours worked . . . was 40 per cent of that for industries reporting to the National Safety Council for 1962. (Figures are not available for industry as a whole for 1963. The previous year's statistics are used for comparative purposes.)

Low Exposure Rates

A survey of the Commission's operations for 1963 showed that 99.9 per cent of the 113,000 persons working with radiation received less than a five rem exposure during the year; 95 per cent received one rem, or less. (A rem is a unit of radiation exposure measurement.) Only one employee with the ORO complex received more than five rem external whole body exposure and about 98.2 received less than one rem exposure during 1963.

The exposure standard adopted by the Commission for its own personnel and its contractor em-

Continued on Page 4

Power Squadron Names Two Y-12ers

Two Y-12 engineers were recently appointed to the national committee of the United States Power Squadron. Past Commander Gus Angele, Engineering Mechanics, recently attended the 50th anniversary meeting of the Power Squadron in Miami Beach, Florida. While there Gus was reappointed to the National Committee of Advanced Grades and was advised that Richard Hulme, Civil and Architectural Engineering, was also reappointed to the same committee.

Angele was also elected to the National Governing Board of the U. S. Power Squadron, while in Miami, and received his 16th Merit Mark for recognition of his work in the education program of the local unit. He has been a member of the local squadron since shortly after it was chartered in 1946 and has served as its Commander in 1951 and 1952. He also served as the first Educational Officer from 1955 to 1962 relinquishing that office to become Assistant District Educational Officer. He is responsible for the direction of the educational programs of Asheville, Kingsport, Johnson City, Knoxville, and the Oak Ridge Power Squadrons. Last year as results of his labor with a group of boating folks in Knoxville, the Knoxville Squadron was formed and chartered.

The Y-12 engineer, in receiving his 16th Merit Mark, holds the highest number of these coveted awards in the local organization, since it is only possible to receive one each year regardless of how much time is spent in squadron work.

1963 Safety Awards Now Being Distributed

Safety awards for 1963 are being distributed at the portals this week. The distribution began yesterday, March 31. Today the portals will be open for the awards from 6:30 a.m. until 8 a.m. and from 2 p.m. until 5 p.m. Employees may pick up the safety awards Thursday from 6:30 until 8 a.m.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
56 Days Or
1,799,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury

Through March 29

Phone 7755

For Daily Report
On Accident-Free Hours

Linde's O'Brien Will Speak On Welding

Seminar Is Set
Saturday In Ridge



R. L. O'Brien



Adams

McKenna

Three specialists will discuss "advanced welding techniques" at a four-session seminar April 4 at the Holiday Inn, Oak Ridge. The meeting is cosponsored by the Northeast Tennessee Section of the American Welding Society and the University of Tennessee.

R. L. O'Brien, Union Carbide Corporation's Linde Division, will speak on "Plasma Arc Welding" at the 11 a.m. session. O'Brien helped develop the basic plasma arc torch while working with Linde's Inert Gas Welding Process Group. He now directs a group concerned with plasma arc development. Holding a degree from Rensselaer Polytechnic Institute, O'Brien also has a master's degree in business administration from New York University.

Featured speakers also include C. M. Adams Jr., Massachusetts Institute of Technology, who will speak on "Lasers," and Edward C. McKenna, Hamilton Standard Division of United Aircraft Corporation, who will speak on "Electron Beam Welding."

"The purpose of the seminar," according to J. W. Tackett, AWS Education Chairman, "is to bring East Tennessee welding people up to date concerning these new welding concepts. The speakers are 'highly qualified' and have made major contributions in their field."

The Bulletin

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UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor



OFFICE

Post Office Box Y
Oak Ridge, Tenn. 37831
Bldg. 9704-2 Room 137
Telephone 7100

ASTME Hears Fowler, Jordan Tomorrow

Meeting Is Set
At Deane Hill



A. H. Fowler

The American Society of Tool and Manufacturing Engineers, Knoxville-Oak Ridge Chapter number 107, will hold its regular monthly meeting tomorrow, Thursday, April 2, at Deane Hill Country Club, Knoxville.

Featured speaker will be A. H. (Andy) Fowler, Y-12's Numerical Control Section of Engineering. He will speak on the "Effects of Numerical Control on Engineering Designs." Andy earned his BS degree in engineering from Texas A & M, and came to Oak Ridge in 1944 on the Manhattan District Project with the Special Engineers Detachment of the United States Army. He worked for 10 years at ORGPD, in Instrument Engineering and Development Department. He then came to Y-12 where he has worked in mechanical development, pilot plant work, and then in Numerical Control. Fowler has been active in promoting a standard system or "language" for programming numerically controlled machine tools. He has done post graduate work in mathematics and physics at the University of Tennessee.

The program will be augmented by a "coffee speaker," Robert G. Jordan, plant superintendent at ORGDP, and former Y-12 plant superintendent. His subject is unannounced but will be both interesting and timely.



Jordan

Dinner, optional to attendants, will be served at 7 p.m. and the technical session will begin at 8 p.m.



A bright student we know was discussing his recent final exams. "I got an A in history for correctly answering a question no one else could take," he smiled.

"The teacher asked me to state the number of tons of coal shipped out of the United States in any given year."

"That's easy, Teach," I answered, "None in 1492."

In Y-12 final exams begin in

FABRICATION

The 9201-1 folks are all sending get well wishes to Greer Shaw.

Hedge-hopping over many departments in Alpha One, it's learned that C. L. Newman, K. P. Emert, O. K. Melton, A. A. McKinney, A. B. Hoose, A. P. Phillips and L. E. LaRue all vacationed last week.

Ill are J. H. Byrd, J. F. Ray, D. D. Woods, J. F. Burnett and C. E. Gregory. Also best wishes to J. J. Cox, H. G. Richards, H. W. True and W. A. Gardiner.

Alonzo Edwards vacationed in Cincinnati to visit his sister Miss Margaret Edwards.

Joy Winslett vacationed at his Oak Ridge home.

Sympathy to C. H. Drummonds whose brother Mr. Robert Drummonds died recently in Jackson, Michigan.

Also condolences to E. L. Crowley whose mother died in Williamsburg, Kentucky.

One reason O. K. Sergeant is smiling these days . . . is that Barbara Branson and family have moved back to Oak Ridge. Barbara is O. K.'s daughter . . . and, of course, she brought the grandson with her.

D. H. Allen, Roy Wilson, H. M. Jenkins and J. R. Bellew are all vacating.

Lucille Pruitt vacationed during Easter week, expecting her son and daughter in for welcome visits.

B. R. Cabbage vacationed recently. (He didn't plant nary a one, either!)

From Beta Four's Heavy Machine Shop a heavy sheaf of news comes floating in. Spring fever recently hit hard and early in the shop. Vacationers last week were J. A. Clemons, O. H. Harmon, J. R. Johns, S. C. Loope, T. C. Pack, R. E. McJunkins, J. C. Montgomery, and L. P. Stevens, whereabouts unknown at the present. B. W. Hensley is taking a week's vacation to be with his wife who is in the hospital.

Still off with the miseries is R. B. Russell.

Best wishes to Mrs. C. R. Bates, ill in Oak Ridge Hospital.

Taking a two-day vacation, just staying at home last week, was C. W. Hawkins.

J. R. Harrell's wife is wanting to buy either a loud crowing rooster or a bed that will help one husband. His car pool is helping her find these objects. They are tired of waiting on him every morning when he oversleeps.

A new color TV set brings on lotsa company, 'lows K. H. O'Kelley.

J. E. Hale has a gimpy leg these days and nobody knows what 'opened.

Vacationing are C. B. Wilson, C. C. Ryan, J. A. Whitney, C. B. Williams, and C. D. Shultz. Fred Spradlin is leaving for Florida for a stretch in the sun.

Back to work after nursing a broken foot back to good health is J. E. Miles.

Get well wishes to C. A. Teal, who is in the hospital.

Those two distinguished looking men up in 9212 are H. E. Cornell and C. E. Hensley. They've looked like that since

visiting Cleveland recently. Hotel rooms wer escarce and the Y-12 pair ended up in the presidential suite at the hostelry. They thought the desk clerk was poking fun at them but it really WAS the presidential suite. Cornell says he knows what presidential, too, 'cause they hung a picture of George Washington on the wall. Hensley said he didn't feel too comfortable wearing the crown, even for a single night.

Assembly has Jack Adkins and family off to Ft. Myers, Florida to visit his sister and see some exhibition ball games, in that order, of course.



Michael Leo Smith

The E. Smiths welcome in little Michael Leo Smith, born February 25, at St. Mary's Hospital, Knoxville. He only weighed five pounds and three ounces, but he's a handsome little fellow, isn't he? The proud parent is in the General Machine Shop.



Erric Huston Crass

Spell my name with two "R's" there, son, says Erric Huston Crass, Oliver Springs. Little Erric is the son of Margaret and Howard Crass. His papa is in the 9212 shops, and his bragging grand-pop is Charles Crass, Beta Two Inspection.

C. W. Walker and his family took off for Lakeworth (West Palm Beach) to visit his parents, do some fishing and see the same ball game, not necessarily in that order.

TECHNICAL SERVICES

Vacationing from the Laboratory, 9995, were Sylvia Huckaby, Alaydean Gable, and Ray Fox . . .

Dalton Son And Senator Swap Humor In Exchange Of Letters



Sen. Albert A. Gore



Ray Dalton

Ginny Giles spent the Easter vacation in Nashville . . . Daisy Ward went to see her sister in Louisville.

Ruth Cox vacationed in Washington, D. C. to visit an old friend who was to show her all the sights.

Your opinion of others is merely a reflection of what they think of you.

ENGINEERING

Tool Engineering tells that John Gibson vacationed in Panama City, Florida, taking his family, of course. Likewise to St. Pete went Ross Goosie.

Long week-enders saw Art Brewer take off for Atlanta . . . Tad Morton left for Ohio.

Gary Martin is vacationing in beautiful St. Petersburg this week.

One good thing about modern music. You never know when a record is worn out!

INDUSTRIAL RELATIONS

Vacationing in the Fire and Guard Departments are Arnold Tiller, T. H. Allison, F. A. Ruckart, H. J. Gregory, J. R. Barber, and C. R. Wall.

Sympathy to Benefit Plans' Margaret Cook in the death of her sister.

The Bulletin office reports Watt's Bar beginning to rise today. Let's go fishing!

One sign of old age is when you begin to feel your corns more than you do your oats.

MATERIALS & SERVICES

Timekeeping reports G. H. Lovely on a vacation around Lake City. R. E. Hale visited his mother in Morristown.

Stores says that Pat Hamrick and his wife are visiting in Tulsa, Oklahoma . . . with his daughter and son-in-law, Dr. and Mrs. Charles Lilly and family.

R. H. Evans and family took a boat cruise on the S. S. Bahama Star to Nassau.

Materials Department welcomes A. K. Bissel into their midst.

From Microreproduction and Engineering Services (we like you folks, but it wears us out to type that name!) . . . Clyde Clowers escorting his wife to the Women's State Bowling Tournament in Bristol, Tennessee . . . Helen Ross will be vacationing in Daytona Beach next week . . . and Georgia Rader is vacationing at Bean Station doing nobody seems to know what. (Editor's Note: Dear Reporter . . . there isn't too much to do in Bean Station, just between us.)

Drag-Race, anyone?

The stately, staid chambers of the United States Senate is the last place on earth from which to expect a belly-laugh. But the unexpected happened recently. The Associate Press, Time, the weekly magazine, and other publications have already covered the following exchange of correspondence.

"Norris, Tennessee
211 Laurel Place

The Honorable Albert Gore
United States Senate
Washington, D. C.
Dear Sir:

I just read a news item that said you had obtained a non-commissioned jet for Crossville High School, because their football team is called the "Jets."

After reading this I knew you were the man to help me. By this I mean, Norris High School's basketball team is called "The Senators," and I was wondering if you knew where we could find an old senator just lying around not doing anyone any good. We would like to place him in front of the school. He doesn't have to be in working order like the jet at Crossville, just any discarded senator will do.

Oh, yes, since Norris is primarily a T.V.A. town you better send a Democrat. But, on second thought, since he will be out where the birds can get at him, you better send a Republican.

Respectfully yours,
Ray Dalton."

Ray, the son of Clyde E. Dalton, Area Five Maintenance, is a sophomore at Norris High School. The 'just for fun' letter got a prompt and to-the-point answer from Tennessee's senior senator. It follows:

"United States Senate
Committee on Foreign
Relations





Mr. Ray Dalton
21 Laurel Place
Norris, Tennessee
Dear Mr. Dalton:

Your letter reflects a refreshing sense of humor—or so I hope. Just as I was glad to suggest how the Crossville Jets might procure a surplus plane, I am equally pleased to advise you of a possible approach for obtaining a surplus Senator as an inspiring namesake for the Norris basketball team.

Frankly, there is no surplus disposal program (at least in non-election years) for honest-to-goodness Senators. But, as the next best thing, it could well prove productive to contact the general manager of the Washington Baseball Club. Having accomplished the record-shattering feat of losing more than 100 games in each of the last three seasons, most of his Senators

Continued on Page 4

April Recreation Calendar

SUN.	MON.	WEDS.	THURS.	SAT.
		1 <ul style="list-style-type: none"> Y-12 'E' Bowling League, 10 PM, Ark Lanes Y-12 Mixed Bowling League, 8 PM, Ark Lanes Basketball League Play, 6:30 PM, RJHS Gym 	2 <ul style="list-style-type: none"> Y-12 Classic Bowling League, 5:45 PM, Ark Lanes Badminton Group 7 PM, JJHS Gym 	4 <ul style="list-style-type: none"> All Carbide Bowling Tournament, Ark Lanes 
5 <ul style="list-style-type: none"> All Carbide Bowling Tournament, Ark Lanes 	6 <ul style="list-style-type: none"> Table Tennis, 7 PM, Wildcat Den Y-12 C Bowling League, 5:45 PM, Ark Lanes Y-12 Bush League, 8 PM, Ark Lanes Basketball League Play, 6 PM, ORHS Gym 	8 <ul style="list-style-type: none"> "A" Shift Fishing Rodeo Y-12 'E' Bowling League, 10 AM, Ark Lanes Y-12 Mixed Bowling League, 8 PM, Ark Lanes Basketball League Play, 6:30 PM, RJHS Gym (or Tourney) 	9 <ul style="list-style-type: none"> "D" Shift Fishing Rodeo Y-12 Classic Bowling League, 5:45 PM, Roll-Off, Ark Lanes Badminton Group, 7 PM, JJHS Gym 	11 <ul style="list-style-type: none"> All Carbide Bowling Tournament, Ark Lanes
12 <ul style="list-style-type: none"> All Carbide Bowling Tournament, Ark Lanes 	13 <ul style="list-style-type: none"> Basketball League Play, 6 PM, ORHS Gym Table Tennis, 7 PM, Wildcat Den Y-12 "C" Bowling League, 5:45 PM, ROLL-Off, Ark Lanes 	15 <ul style="list-style-type: none"> Y-12 Mixed Bowling League, Roll-Off, 8 PM, Ark Lanes Y-12 "E" Bowling League, 10 AM, Ark Lanes 	16 <ul style="list-style-type: none"> Badminton Group, 7 PM, JJHS Gym 	18 <ul style="list-style-type: none"> Tool Design Dinner-Dance Hellman's Restaurant
	20 <ul style="list-style-type: none"> Basketball League Play, 6 PM, ORHS Gym Table Tennis, 7 PM, Wildcat Den JJHS Gym 	22 <ul style="list-style-type: none"> Y-12 "E" Bowling League, 10 AM, Ark Lanes 	23 <ul style="list-style-type: none"> Badminton Group, 7 PM, JJHS Gym TEE-Off Time 1st Golf Tournament, Rec. Office, 7:30 AM, 9704-2 Meeting 	25 <ul style="list-style-type: none"> 1st Y-12 Golf Tournament, Green Mead, CC, Maryville
	27 <ul style="list-style-type: none"> Basketball League Play, 6 PM, ORHS Gym Table Tennis, 7 PM, Wildcat Den 	29 <ul style="list-style-type: none"> Y-12 "E" Bowling League, 10 AM, Ark Lanes 	30 <ul style="list-style-type: none"> Badminton Group, 7 PM, JJHS Gym 	

- E, F, G, H, & J Shifts Fishing Rodeo, Norris Lake, Anderson County Boat Dock. (Date to be Announced).
- B Shift Fishing Rodeo, Norris. (Date to be Announced).

Y-12 Rifle Team Lags In Firing

The Y-12 Rifle team suffered a set-back in firing last week, dropping first place to the ORNL team, despite a pair of 289's shot by Bert Searles and Bob Powers. The Y-12 riflemen still lead the

league in season's standings by a slim margin.

League standings will be reported as soon as handicaps are figured for all firers.

It's all right for the 'meek to inherit the earth.' Just so they remain meek after they get it!

Broken tools are dangerous.

Play-Offs To Decide Basketball Champs

Y-12's Rebs Must Take Independents

The firing toward the hoops in the Carbide Basketball League is over except to settle for the first and second half championship and the league championship. The fight for all the marbles will be centered around three teams, the ORNL Independents, the ORNL Metals and Ceramics five and the red-hot Y-12 Rebels. The first half championship will be decided between the two ORNL teams. The second half playoff will feature the ORNL Independents and the Rebels. Should the Independents take both games, they will become the champs. Should they lose both, the Rebs and M&C teams will fight for the honors of being number one. If the Independents lose to either team, a third game will also be needed to settle the dust.

The Rebels took a real big one from the Peons, 39 to 24, to set the stage for the playoff with the Independents who earlier in the evening had blasted the Hot Shots 52 to 31. The first half of the Rebel-Peon game was a nip and tuck affair, ending at 16 all at the break. The Rebs pulled away in the third and fourth stanzas behind the hot shooting of Batch with a game total of 15 points and Mahaffey with 10. The Peons were led by Vernon with 10.

Pacing the Independents to victory was Goolsby with 16 followed by Thomas with 13. The Independents dominated both boards. Crass was high for the losers with nine.

The Metals and Ceramics five defeated the Atoms 58 to 50, paced by Big Jim Carter's 16 tallies. Vandermeer contributed 13 to the winning cause.

The exciting playoffs began March 30 with the Independents meeting Metals and Ceramics.

FINAL STANDINGS		
Team	W	L
Rebs, Y-12	8	1
Independents, ORNL	8	1
Metals and Ceramics, ORNL	7	2
Fearless Five, ORNL	6	3
Atoms, Y-12	5	4
All Stars, ORGDP	4	5
Analytical Chemistry, ORNL	3	6
Hot Shots, ORGDP	2	7
Cell Four, ORNL	2	7
Peons, Y-12	1	8

Cannonballs In See-Saw E League Top

The lead in the E League for Y-12 bowlers changed hands again last week, as the Cannonballs took four points from the Pinquins. The Pintwisters also took the full count from the Ten Pins. The Alley Bees and Foursquares split two points each.

Ed Sise, Cannonballs, took scratch counts with a single of 216 and a series total of 576. William Fraley, Alley Bees, took a 258 single scratch game, and Wendel Thornton, Pintwisters, captured honors in series handicap scoring with 671.

The Alley Bees almost swept the board, taking singles of 699 and 853. Their 2365 handicap series count was high also. The Foursquares blocked the rout with a 1907 scratch series.

League standings follow:		
Team	W	L
Cannonballs	29	15
Alley Bees	28	16
Ten Pins	24	20
Foursquares	20	24
Pintwisters	17	27
Pinquins	14	30



IN STRONG CONTENTION for the Mixed League's final half are the Goofers, pictured above. Seated at the score table is Ella Stansell, and standing, from left, are W. B. Stephens, Captain Virginia Newby and Bob Hagood. Winners in the Mixed League's final half must roll the Ghosts, who took first half honors.

Ghosts, Goofers Creep Up As Cool Cats Lose In Mixed Race

Mixed bowlers among Y-12 alleys last week tightened their neck-and-neck race right down to the finish line. With two more weeks to roll, the Cool Cats remain an unsteady one-half point in first place. The Ghosts moved up easily, rolling blind. The Goofers also moved up by downing the Scrappers for four points, while the Alley Cats downed the Pin Plasters for the full count. The lagging league-leaders fell to the Phantoms for three.

Niece Wyrick, Phantoms, marked heavy in singles for the

women, taking a 171, 220 game. Joyce Gillihan, Ghosts, had high series of 447, 597. W. B. Stephens, Goofers, captured high single scratch game of the night with a 200. Al Wyrick, Phantoms, took high handicap singles with 229. Stephens marked again in series in scratch count with 568, and W. C. Smith, Alley Cats, had high handicap series of 649.

The Alley Cats marked high in singles with 647 and 814. The Goofers took honors in scratch series with 1841, while the Alley Cats returned for handicap honors with a 2314 series count.

League standings follow:		
Team	W	L
Cool Cats	32	16
Ghosts	31½	16½
Goofers	31	17
Alley Cats	26½	21½
Phantoms	26	22
Pin Plasters	23	25
Scrappers	22	26

Bumpers, Markers Cinch Classic Race

Playboys' Smith Has A Hot Night

With only one week remaining in the Classic League, it looks like the Bumpers and Markers for sure. The Bumpers are up there with four points over the Screwballs, giving them a three-point hold on first place. The Markers split two with the Playboys. Other wins saw the Smelters take four from the Wolves and the Rebels take the same from the Splinters. Three point tallies went to the Playboys over the Has Beens, the Rippers over the All Stars, the Wasps over the Tigers, and the Eightballs over the Cubs.

Dave Smith, Playboys, took individual game honors, rolling a 242 scratch, 272 handicap game. Glen Bates, Swingsters, had high series in scratch count with 573; while J. G. McArthur, Smelters, took a series handicap count of 648.

Teamwise, the Playboys took singles, rolling 914 and 1060... and the Smelters took series, posting 2563 and 2935.

League standings follow:		
Team	W	L
Bumpers	43	13
Markers	40	16
Has Beens	32	24
Swingsters	32	24
Playboys	30	26
Smelters	30	26
Wolves	28	28
Rippers	27	29
Tigers	25½	30½
All Stars	25½	30½
Screwballs	25	31
Splinters	25	31
Wasps	25	31
Rebels	24	32
Eightballs	22	34
Cubs	14	42

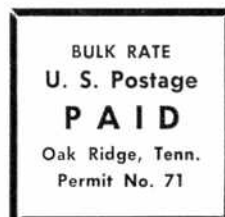
Seven Sixties Take Bush Second Half

The Y-12 Bush League finished out its season on the alleys last week with a tie for second slot. The Seven Sixties and Turtles locked it up for second place. A rolloff this week will spell the difference. (The Rusty Five took two of the first of three divisions, thus automatically taking first place.)

The Seven Sixties downed the Rollniks for four points, while the Turtles took the Beavers for three. Another four point win went to the Hi Balls over the Outcasts. Three pointers also went to the Rollmasters over the Rusty Five, and the '66' Raiders over the Dry Hides.

Edward Hickman, Rollmasters, took singles honors, rolling a 239 scratch, 275 handicap game. Ray Seivers, Seven Sixties, took series highs with a 619 scratch, 688 handicap. The Rollmasters took singles honors with 902 scratch, 1053 handicap. The Rusty Five and Seven Sixties split series honors... the Five taking scratch with 2469 and the Sixties taking 2884 handicap tallies.

Final standings follow:		
Team	W	L
Seven Sixties	24	12
Turtles	24	12
Hi Balls	23	13
Rollmasters	21	15
Rusty Five	20	16
Dry Hides	19	17
'66' Raiders	16	20
Rollniks	14	22
Outcasts	12½	23½
Beavers	6½	29½



UNION CARBIDE CORPORATION NUCLEAR DIVISION

Post Office Box Y
Oak Ridge, Tennessee—37831

RETURN POSTAGE GUARANTEED



Big Five Edge Out In Front On C Alleys

With only one roll left in the C League, the top-spot is still up for toss among Y-12 bowlers. The Big Five now hold the loose rein by two points with the four point victory over the Five Roses. The only other sweep of the week saw the Lucky Strikes, three points out, take four from the Screwballs. The Rodders and Rounders, also up there, took three from the Shud-A-Beens and the Strikers respectively. The Hookers-Hi Lifers and Parbustlers-Sunflowers duels ended in draws, both teams taking two each.

Roy Scates, Lucky Strikes, struck at high singles in scratch counting with a 229. J. E. Cheek's handicap sweep (he's with the Parbustlers) listed him with singles of 252, and series of 692. The Big Five's T. Overton took high scratch series count with 629.

The Parbustlers swept singles, rolling 920 scratch, 1077 handicap . . . while the Big Five latched onto series highs with 2715 scratch and 3099 handicap.

League standings follow:

Team	W	L
Big Five	33	19
Rodders	31	21
Rounders	30	22
Lucky Strikes	30	22
Shud-A-Beens	28	24
Hookers	28	24
Five Roses	27	25
Sunflowers	27	25
Strikers	25	27
Hi Lifers	25	27
Parbustlers	15	37
Screwballs	13	39



Ride wanted or will join car pool from Andover Circle, East Village vicinity, to North or East Portal, straight day. R. K. Jones, plant phone 7-8085, home phone Oak Ridge 483-3156.

Horse Play Is Expensive, Too!

Horse play usually isn't humorous, it can often be costly. In a recent issue of the Seadrifter, Union Carbide's quality paper, Seadrift, Texas, it was noted that two incidents had cost the company almost \$4,000.

One case in point was a black polyethylene tape that had been placed inside an explosion proof telephone. The Telephone Company billed Carbide \$4.83 for the removal of the tape. Another case was where some "joker" had removed the transparent face shield from a specifically equipped high heat resistant asbestos suit. Complete replacement of the protective equipment amounted to what would require a sales increase of \$3,895. Since, it was pointed out, \$10.25 in sales must be generated for every dollar profit, the telephone repair actually cost \$49.51 and the asbestos suit \$3,895.

Simple arithmetic and seemingly insignificant incidents like the two above, are very alarming when the true cost involved is realized.

Alaska Almost Three Times Bigger Than Texas

Alaska, the 49th state into the Union, claims as its state bird, the willow ptarmigan and the state tree as the Sitka Spruce. The state flower is the forget-me-not. The state was admitted January 3, 1959 and is two and one-half times as big as Texas!

'Accustomed As I Am . . .'

Toastmasters Train Several Y-12ers In Public Speaking

Several Y-12ers are very active in the Oak Ridge Toastmaster Club, a group that gets together once a week . . . just to talk . . . or more literally to make speeches.

Almost everybody at some time in his life is called on for a public address to perhaps a few people, or a few hundred. Toastmasters are determined that they will not be caught short when asked to 'say a few words.' S. J. 'Red' Albright, Ed DelGrande, W. C. Dietrich, O. P. Killeen, P. J. Steger, T. C. Swindell, T. G. Troutman, C. M. 'Hap' West, and Bob Keller are current members of the Oak Ridge chapter . . . and they're all active. You are either active, or not a member. At any time you may be called on for a one-minute impromptu speech, or you may be given advanced notice on a seven-minute formal presentation. After your speech, other members tell you what was wrong in a self-criticism session of the program. (DelGrande was recently made administrative vice president of the club.)

Meets Once A Week

The group has a dinner meeting each Monday night. This has been the practice since the club was chartered in 1959. The organization is affiliated with Toastmasters International, a non-profit, nonpartisan, nonsectarian educational group which has helped more than three-quarter million men through its program of self-expression and self-improvement. There are now more than 3,600 clubs in every state of the Union, every province of Canada, and in 43 other countries. The club's slogan is "For Better Listening, Thinking, and Speaking." It has been said, "Toastmasters is more than a club . . . It's an education." The club is limited to 40 active members, and the Oak Ridge group recently attained that number again.

A new service is now available through the Toastmasters to groups who need speakers. A speakers bureau has been formed, and live-wire service groups will be furnished a speaker on relatively short notice. Groups interested in 'cracker-jack' speakers need only to contact any member of the speakers bureau. Hap West is Y-12's contribution to that committee.

The bureau has already provided many groups with adept speakers: Multiple Sclerosis Foundation, Boy Scout Council,



Elks Club and various technical societies, to mention a few.

40 Toastmasters

The Toastmaster Club represents 40 men from various walks of life and professions. If you need a speaker on any subject (you don't have to be an expert on a subject to talk about it!) just call Hap West. The Toastmaster Club will be happy to serve you and will welcome the additional experience they will gain from the rostrum.

Like swimming, public speaking is learned only if you go into the water. A good speaker needs more than 10 or 12 lessons in public speaking. He actually has to stand before an audience and SPEAK. The Toastmaster Club is giving these Y-12ers that opportunity.

AEC Safety

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ployees who are engaged in work which offers the possibility of radiation exposure is an average of five rem a year.

Justifiable Pride

Y-12 can truly be proud of its safety performance during the past year. While four lost-time accidents were suffered in the plant, from April 30 on no lost-time accident occurred in Y-12.

The constant effort to make the plant completely free from injury is the ever-present goal. That goal can be reached and held only with the full cooperation of each employee.

Let's make 1964's safety performance even better than last year's history-making one!



NOT MANY Y-12ERS can boast of as handsome (or as many) members of their family as the F. C. Stoetzel group above. The first row includes Mary, Gerilyn, Mrs. Stoetzel, Michael (who is four . . . the youngest), Frank C., Beta Four Heavy Machine Shop, Judy and Marline. In the second row are Kathy, David, Danny, Jim, the oldest, and Bob. The Stoetzel family lives at Route 5, Harris Road, Knoxville, and what a happy-looking group they are!



Congratulations to the following early April celebrants. They observe special anniversaries with Union Carbide Corporation.

20 YEARS

Allen M. Schrader, Process Maintenance, April 1.

Bill Hudson, Steam Plant, April 1.

Dennie I. Roberts, Uranium Chemistry, April 3.

Rosel H. Davis, Laboratory Operations, April 5.

Harvey T. Kite, Ceramics and Plastics Development, April 5.

George P. Schaeffler, Process Maintenance, April 7.

Pearl V. Lindsay, Reproduction, April 7.

15 YEARS

Charlie F. Hall, Buildings, Grounds and Maintenance Shops, April 4.

10 YEARS

Raymond E. McJunkins Sr., Beta Four Heavy Machine Shop, April 1.

Charles W. Styles, Dimensional Inspection, April 1.

James L. Scott, H-2 and F Area Shops, April 1.

Fletcher E. Morgan, Machine Maintenance, April 2.

James J. Turnbull, Dispatching, April 3.

Hiram Crutchfield, Dimensional Inspection, April 4.

Houston E. Crouch, Guard Department, April 6.

Marvin F. Hazelwood, 9212 Shops, April 6.

Paul H. Giles, Dimensional Inspection, April 7.

Glen L. Lambert, Dimensional Inspection, April 7.

Paul R. Blackwell, Tool Grinding, April 7.

Burrell E. Henry, Stores Department, April 7.

Chester R. Kennedy, General Machine Shop, April 7.

Dalton Son Senator Gore

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have been declared surplus. They are truly not in "working order" and, the manager hopes, "can be discarded." If party affiliation is important, a few swing from the left, a few from the right, but most have difficulty in swinging at all. So take your pick.

On second thought, if I too may have one, wouldn't it be easier to name your team something else?

Sincerely,
Albert Gore

Ray's letter to Senator Gore not only got nationwide publicity, but the young sophomore has had suggestions from all over the world on how to solve the "Senators" problem . . . from such places as Switzerland and Saudi Arabia.

'Value Analysis' Is Topic ASME Meeting

Co-Sponsored Event Planned For Saturday



Frank J. Johnson

"Value Analysis Techniques" will be the subject of the co-sponsored AIEE, ASME, and ASTM meeting Saturday, April 4, at the Holiday Inn, Oak Ridge. Frank J. Johnson, manager, value analysis - engineering department of Lockheed-Georgia Company, will be the featured speaker.

Johnson, a graduate of North Carolina State College, has been with Lockheed since 1951. He will define value analysis as a system of techniques and planned methods that can be used to study every item of cost in every component part, subassembly, or piece of equipment.

Individuals attending Saturday's meeting will order lunch from the regular Holiday Inn menu at 12 a.m. The meeting will begin at 1 p.m. and last until approximately 3.

No advance reservations are needed.

The speaker plans to review and outline the techniques used by Lockheed to eliminate unnecessary cost without sacrificing the quality of product.

Eulenspiegel Pranks At Junior Playhouse

The Junior Playhouse is presenting "The Merry Pranks of Tyll" this week-end, April 4 and 5 at 2 p.m. and 4 p.m. at the Playhouse in Jackson Square. Based on German folk tales of the 14th century the merry pranks of Tyll Eulenspiegel unfolds as he frolics around the courts of the old king.

Several Y-12ers' children have leading roles in the ancient tale of merrymaking in ancient Germany.

That's Saturday and Sunday, at the Playhouse, at 2 and 4 p.m., April 4 and 5.